

ABSTRACT OF THE DISCLOSURE

An electric vehicle minimizes required energy based on position control for keeping the electric vehicle not being moved downward on a sloping road when a driver steps on the brake pedal even if the brake force is weak. The electric vehicle keeps a vehicle body at a stopping position using rotating torque of an electric motor for driving the vehicle body. The rotating torque is calculated corresponding to an operated quantity of brake operation. When the brake pedal is stepped on under a certain condition, the rotating torque is decreased and a quantity of downward motion of the electric vehicle is measured.